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How gas turbulence influences planet formation

Friday, 8 August 2014 11:00 (30 minutes)

Dust sedimentation is controlled by the strength of the gas turbulence. The degree of sedimentation is one of the most important factors in setting the conditions for planetesimal formation and pebble accretion. I will present a self-consistent theory framework for planet formation, from dust to fully-fledged planets, and highlight phases in the growth where progress requires an increased understanding of the strength of gas turbulence in protoplanetary discs.

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